CLAIMS

1 Fine particles comprising:

at least one type of polyolefin or polyolefin copolymer and at least one type of magnetic material;

the particles being substantially spherical particles having a density of 0.9 to 1.5 g/cc and an average particle size of 0.5 μm to 1,000 μm; and

the particles having on the particle surface a functional group.

2 The fine particles according to Claim 1, wherein the polyolefin is polypropylene and/or polyethylene, and the polyolefin copolymer is a propylene copolymer and/or an ethylene copolymer.

3 The fine particles according to either Claim 1 or 2, wherein the functional group is at least one type selected from the group consisting of a carboxyl group, an amino group, a hydroxyl group, a sulfonic acid group, and a glycidyl group.

4 The fine particles according to Claim 3, wherein the functional group is

(1) a functional group in a graft polymer formed by subjecting particles to surface graft polymerization,

(2) a functional group bonded to an aliphatic hydrocarbon that has been kneaded with the particles and is present on the particle surface, or

(3) a functional group in a monomer that has been copolymerized into a main chain of the polyolefin copolymer.

5 The fine particles according to any one of Claims 1 to 4, wherein the average particle size is 1.0 μm to 100 μm.

6 The fine particles according to any one of Claims 1 to 5, wherein the density is 1.0 to 1.1 g/cc.

7 The fine particles according to any one of Claims 1 to 6, wherein the magnetic material is a soft magnetic material.

8 The fine particles according to any one of Claims 1 to 7, wherein the magnetic material is a superparamagnetic substance.

9 The fine particles according to Claim 7, wherein the soft magnetic material is a manganese-zinc ferrite and/or a nickel-zinc ferrite.

10 The fine particles according to any one of Claims 1 to 9, wherein the content of the

magnetic material is 10 to 25 wt % relative to the total weight of the fine particles.